INTERNAL SEARCH REPORT

ational application No. PCT/JP03/09274

			0103/032/4	
A. CLAS	SSIFICATION OF SUBJECT MATTER	06 00 455		
Int	.C1 ⁷ C21C7/04, C22C38/00, 38/	06, 38/58		
	•			
According	to International Patent Classification (IPC) or to both	national classification and IPC		
 	OS SEARCHED			
	documentation searched (classification system follower	ed by classification symbols)		
Int _.	.Cl ⁷ C21C7/00-10, C22C38/00-6	0	•	
			•	
Documenta	tion searched other than minimum documentation to	the extent that such documents are include	ed in the fields searched	
Jits	uyo Shinan Koho 1922-1996	Toroku Jitsuvo Shinan Ko	pho 1994-2003	
Koka	i Jitsuyo Shinan Koho 1971-2003	Jitsuyo Shinan Toroku Ko	pho 1996-2003	
Electronic o	data base consulted during the international search (ne	une of data base and, where practicable, s	earch terms used)	
WPI	· ·			
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.	
X	JP 52-70918 A. (NKK Corp.),		<u> </u>	
. .	13 June, 1977 (13.06.77),		1-9	
•	Full text			
	(Family: none)			
A	JP 2000-144330 A (Nippon St	oal com \	1.0	
4.	26 May, 2000 (26.05.00),	eer corp.,,	1-9	
	Claims			
	(Family: none)			
A	JP 2000-273524 A (Kawasaki	Stool Comp \:	1'-9	
7.	03 October, 2000 (03.10.00),	steer Corp.),	1-9	
	Claims			
	(Family: none)	·		
		•		
			.,	
X Furthe	er documents are listed in the continuation of Box C.	See patent family annex.		
"A" document defining the general state of the art which is not priority date and not in conflict with the application but cited to			emetional filing date or the application but cited to	
considered to be of particular relevance understand the principle or theory underlying the invention			derlying the invention	
date considered novel or cannot be considered to involve an inventive			ered to involve an inventive	
cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot			e claimed invention cannot be	
special reason (as specified) considered to involve an inventive step when the document is			p when the document is	
means combined with one or more other such documents, such means			n skilled in the art	
"P" docume than the	ent published prior to the international filing date but later to priority date claimed	"&" document member of the same patent	family	
Date of the actual completion of the international search Date of mailing of the international search report				
08 S	eptember, 2003 (08.09.03)	24 September, 2003	(24.09.03)	
Name and ma	ailing address of the ISA/	Authorized officer		
	nese Patent Office			
Facsimile No	1.	Telephone No.		
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Category*	citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
- A	JP 2002-105527 A (Kawasaki Steel Corp.), 10 April, 2002 (10.04.02), Claims	1-9
	(Family: none)	
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